Refine Search

Search Results -

Terms	Documents
L2 and learning with management	3

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L3

Refine Search

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Search History

DATE: Wednesday, January 26, 2005 Printable Copy Create Case

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DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L3	L2 and learning with management	3	L3
L2	L1 and tracking with system	210	L2
L1	707/1.ccls.	3702	L1

END OF SEARCH HISTORY

Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20050015357 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 3 File: PGPB Jan 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050015357
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050015357 A1

TITLE: System and method for content development

PUBLICATION-DATE: January 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shahidi, Laleh	Danville	CA	US	

US-CL-CURRENT: 707/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20020095401 A1

L3: Entry 2 of 3 File: PGPB Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020095401
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020095401 A1

TITLE: Tracking of computer based training courses

PUBLICATION-DATE: July 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Redmond, Anthony	Dublin		IE	
Mangan, Martin	Dublin		IE	

US-CL-CURRENT: 707/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 3. Document ID: US 6529909 B1

L3: Entry 3 of 3 File: USPT Mar 4, 2003

US-PAT-NO: 6529909
DOCUMENT-IDENTIFIER: US 6529909 B1
** See image for Certificate of Correction **

TITLE: Method for translating an object attribute converter in an information services patterns environment

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 707/10; 707/1

Terms	Documents
L2 and learning with management	3

Refine Search

Search Results -

Terms	Documents
L4 and tracking with system and learning with management	3

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L5

Refine Search | Recall Text | Clear | Interrupt

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DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L5	L4 and tracking with system and learning with management	3	L5
L4	707/100.ccls.	2896	L4
L3	L2 and learning with management	3	L3
L2	L1 and tracking with system	210	L2
L1	707/1.ccls.	3702	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L6 and database and update$2	126

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
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IBM Technical Disclosure Bulletins

Search: L7

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Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L7	L6 and database and update$2	126	L7
L6	tracking with system and learning with management	152	L6
L5	L4 and tracking with system and learning with management	3	L5
L4	707/100.ccls.	2896	L4
L3	L2 and learning with management	3	L3
L2	L1 and tracking with system	210	L2
L1	707/1.ccls.	3702	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L8 and tracking with system and learning with management	5

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L9

Refine Search | Recall Text | Clear | Interrupt

Search History

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Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L9	L8 and tracking with system and learning with management	5	L9
L8	707/102.ccls.	2697	L8
L7	L6 and database and update$2	126	L7
L6	tracking with system and learning with management	152	L6
L5	L4 and tracking with system and learning with management	3	L5
L4	707/100.ccls.	2896	L4
L3	L2 and learning with management	3	L3
L2	L1 and tracking with system	210	L2
L1	707/1.ccls.	3702	L1

END OF SEARCH HISTORY

Hit List

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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20040122849 A1

Using default format because multiple data bases are involved.

L9: Entry 1 of 5 File: PGPB Jun 24, 2004

PGPUB-DOCUMENT-NUMBER: 20040122849
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040122849 A1

TITLE: Assignment of documents to a user domain

PUBLICATION-DATE: June 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nelson, Kenneth Carlin	Hollister	CA	US	

US-CL-CURRENT: 707/102

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20030204522 A1

L9: Entry 2 of 5 File: PGPB Oct 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030204522
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030204522 A1

TITLE: Autofoldering process in content management

PUBLICATION-DATE: October 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gallagher, Edward Joseph	San Jose	CA	US	
Hu, Tawei	San Jose	CA	US	
Liang, Lily	San Jose	CA	US	
Nelson, Kenneth Carlin	Hollister	CA	US	
Wang, Li-Ming A.	Darnestown	MD	US	

US-CL-CURRENT: 707/102

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 3. Document ID: US 6778979 B2

L9: Entry 3 of 5 File: USPT Aug 17, 2004

US-PAT-NO: 6778979
DOCUMENT-IDENTIFIER: US 6778979 B2

TITLE: System for automatically generating queries

DATE-ISSUED: August 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grefenstette; Gregory T.	Gieres			FR
Shanahan; James G.	Pittsburgh	PA		

US-CL-CURRENT: 707/3; 707/101, 707/102, 707/2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 4. Document ID: US 6539396 B1

L9: Entry 4 of 5 File: USPT Mar 25, 2003

US-PAT-NO: 6539396
DOCUMENT-IDENTIFIER: US 6539396 B1
** See image for Certificate of Correction **

TITLE: Multi-object identifier system and method for information service pattern environment

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 707/103R; 707/101, 707/102, 707/103X, 707/202, 707/203, 711/118

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 5. Document ID: US 6496850 B1

L9: Entry 5 of 5 File: USPT Dec 17, 2002

US-PAT-NO: 6496850
DOCUMENT-IDENTIFIER: US 6496850 B1

TITLE: Clean-up of orphaned server contexts

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 709/203; 707/102, 709/224, 709/228

Terms	Documents
L8 and tracking with system and learning with management	5

Refine Search

Search Results -

Terms	Documents
L10 and tracking with system and learning with management	4

Database:
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Search: L11

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DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L11	L10 and tracking with system and learning with management	4	L11
L10	707/104.1.ccls.	3747	L10
L9	L8 and tracking with system and learning with management	5	L9
L8	707/102.ccls.	2697	L8
L7	L6 and database and update$2	126	L7
L6	tracking with system and learning with management	152	L6
L5	L4 and tracking with system and learning with management	3	L5
L4	707/100.ccls.	2896	L4
L3	L2 and learning with management	3	L3
L2	L1 and tracking with system	210	L2
L1	707/1.ccls.	3702	L1

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20040267811 A1

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L11: Entry 1 of 4 File: PGPB Dec 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040267811
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040267811 A1

TITLE: Host initiated display, host initiated display application program interface, and host initiated display method

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nelson, Kenneth Carlin	Hollister	CA	US	
Noronha, Marilene Araujo	San Jose	CA	US	
Wang, Eileen HongLian	San Jose	CA	US	
Weaver, Robert Ellwood	Frederick	MD	US	

US-CL-CURRENT: 707/104.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 2. Document ID: US 20040143597 A1

L11: Entry 2 of 4 File: PGPB Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040143597
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040143597 A1

TITLE: Digital library system with customizable workflow

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Benson, Donald Edward	Erie	PA	US	
Kauffman, Steven Victor	San Jose	CA	US	

US-CL-CURRENT: 707/104.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 3. Document ID: US 20020188679 A1

L11: Entry 3 of 4 File: PGPB Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020188679
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020188679 A1

TITLE: Computer implemented method and apparatus providing self-directed online interactive experiences

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Matous, Anthony G.	Saltsburg	PA	US	
Moser, Bruce A.	Indiana	PA	US	

US-CL-CURRENT: 709/204; 434/323, 707/104.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 4. Document ID: US 6442748 B1

L11: Entry 4 of 4 File: USPT Aug 27, 2002

US-PAT-NO: 6442748
DOCUMENT-IDENTIFIER: US 6442748 B1

TITLE: System, method and article of manufacture for a persistent state and persistent object separator in an information services patterns environment

DATE-ISSUED: August 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 717/108; 707/103R, 707/104.1, 707/9, 719/316

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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Terms	Documents
L10 and tracking with system and learning with management	4

Display Format: - Change Format

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Refine Search

Search Results -

Terms	Documents
L10 and tracking with system and learning with management	4

Database:
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IBM Technical Disclosure Bulletins

Search: L11

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Search History

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DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L11	L10 and tracking with system and learning with management	4	L11
L10	707/104.1.ccls.	3747	L10
L9	L8 and tracking with system and learning with management	5	L9
L8	707/102.ccls.	2697	L8
L7	L6 and database and update$2	126	L7
L6	tracking with system and learning with management	152	L6
L5	L4 and tracking with system and learning with management	3	L5
L4	707/100.ccls.	2896	L4
L3	L2 and learning with management	3	L3
L2	L1 and tracking with system	210	L2
L1	707/1.ccls.	3702	L1

END OF SEARCH HISTORY

Class 707 DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES

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1	**DATABASE OR FILE ACCESSING**
2	. Access augmentation or optimizing
3	. Query processing (i.e., searching)
4	.. Query formulation, input preparation, or translation
5	.. Query augmenting and refining (e.g., inexact access)
6	.. Pattern matching access
7	. Sorting
8	. Concurrency (e.g., lock management in shared database)
9	. Privileged access
10	. Distributed or remote access
100	**DATABASE SCHEMA OR DATA STRUCTURE**
101	. Manipulating data structure (e.g., compression, compaction, compilation)
102	. Generating database or data structure (e.g., via user interface)
103R	. Object-oriented database structure
103Y	.. Object-oriented database structure processing
103X	.. Object-oriented database structure network
103Z	.. Object-oriented database structure reference
104.1	. Application of database or data structure (e.g., distributed, multimedia, image)
200	**FILE OR DATABASE MAINTENANCE**
201	. Coherency (e.g., same view to multiple users)
202	.. Recoverability
203	.. Version management
204	.. Archiving or backup
205	. File allocation
206	.. Garbage collection

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☑ 1. Document ID: US 20020095401 A1

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L8: Entry 1 of 2 File: PGPB Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020095401
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020095401 A1

TITLE: Tracking of computer based training courses

PUBLICATION-DATE: July 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Redmond, Anthony	Dublin		IE	
Mangan, Martin	Dublin		IE	

US-CL-CURRENT: 707/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20020095401 A1, AU 200195149 A, EP 1229470 A2, IE 82408 B3

L8: Entry 2 of 2 File: DWPI Jul 18, 2002

DERWENT-ACC-NO: 2002-575868
DERWENT-WEEK: 200262
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: Tracking of computer-based training courses to monitor progress of courses using common interface to interface to all players and to poll routing of messages

INVENTOR: MANGAN, M; REDMOND, A

PRIORITY-DATA: 2000IE-0000973 (November 30, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020095401 A1	July 18, 2002		000	G06F007/00
AU 200195149 A	June 6, 2002		022	G06F017/40
EP 1229470 A2	August 7, 2002	E	000	G06F017/60
IE 82408 B3	August 7, 2002		000	G06F013/00

INT-CL (IPC): G06 F 7/00; G06 F 13/00; G06 F 17/30; G06 F 17/40; G06 F 17/60; G09 B 19/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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Terms	Documents
20020095401	2

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(Full text scientific research papers - in pdf and postscript formats.)

Interfacebus.com

(Listing of Electronic Interface Buses with links to standards and specifications.)

Internet Engineering Task Force

(The IETF Secretariat, run by The Corporation for National Research Initiatives with funding from the US government, maintains an index of Internet-Drafts.)

Nanotechnology

PCI Specifications (username: uspto; password: pat222)

("Peripheral Component Interconnect" specifications and white papers.)

Requests for Comments (RFCs) Database

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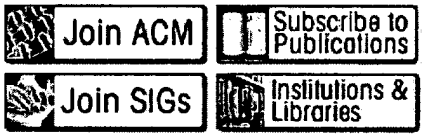
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1 Developing a flexible online learning management system to facilitate various aspects of instructor-led training and lab administration
Kathy Pribbenow, John Nguyen
November 2002 **Proceedings of the 30th annual ACM SIGUCCS conference on User services**
Full text available: pdf(156.24 KB) Additional Information: full citation, abstract, references, index terms

For many years, Academic Computing Services (ACS) at The University of Kansas (KU) has offered computer workshops to faculty, staff, students, and the general Lawrence, KS community. ACS required registration for most workshop offerings. In addition, ACS had the responsibility to oversee public computer lab reservations by faculty and staff. The tasks of workshop registrations and lab reservations were primarily carried out by a phone-in system. As the technical ability in the user community inc ...

Keywords: LMS, Oracle, PHP, authentication, automated, database, email, instructor, lab, learning management system, online, registration, reservation, roster, training, workshop

2 Training help desk students: the never ending task
Jerry Martin
November 1999 **Proceedings of the 27th annual ACM SIGUCCS conference on User services: Mile high expectations**
Full text available: pdf(48.97 KB) Additional Information: full citation, index terms

Keywords: help desk, students, training

3 Communities of practice: dare to share the knowledge
Debbie Mojta
October 2004 **Proceedings of the 32nd annual ACM SIGUCCS conference on User services**
Full text available: pdf(154.31 KB) Additional Information: full citation, abstract, references, index terms

Communities of practice are not a new idea, but they are being looked at more closely as an important tool for learning and mastering knowledge challenges. Communities of practice often lend themselves to a particular strategic intent for their existence.[6] The Help Desk with all of its ongoing training and sharing naturally lends itself to the purpose of a helping

community.

An inherent quality of communities of practice is that they connect people across organizational boundaries. B ...

Keywords: communities of practice, help desk, knowledge management, learning, management, organizational learning, student staff, training

4 User involvment in system implementation: Conceptual frameworks in practice: evaluating end-user training strategy in an organization

Maren Simonsen, Maung K. Sein

April 2004 **Proceedings of the 2004 SIGMIS conference on Computer personnel research: Careers, culture, and ethics in a networked environment**

Full text available: pdf(768.61 KB) Additional Information: full citation, abstract, references, index terms

Rapid development in new information technology requires constant need for training end user. Organisations spend heavily on training, but do not take an integrative approach in formulating training strategies. This is mainly due to lack of guidance from the literature. A few frameworks that have been proposed have not been evaluated. In this paper, we use one such framework and use it to evaluate the training strategy in an organisation. This summative evaluation is followed by the formative ev ...

Keywords: end-user training, learning, personnel

5 An affordable optical head tracking system for desktop VR/AR systems

Jurriaan D. Mulder, Jack Jansen, Arjen van Rhijn

May 2003 **Proceedings of the workshop on Virtual environments 2003**

Full text available: pdf(1.62 MB) Additional Information: full citation, abstract, references, index terms

We present an affordable optical head tracking system for desktop-like VR/AR environments. The generic and specific head tracking requirements for these type of environments are de ned, as well as the relaxations such environments put on head tracking systems. The presented head tracker is based on two low-cost, commodity FireWire cameras that track a simple 3D dot pattern. It is shown that the tracker provides high accuracy, an update rate of 30 updates per second, a low computational load, and ...

Keywords: desktop virtual and augmented reality, optical head tracking

6 A vision-based head tracking system for fully immersive displays

A. Hogue, M. Robinson, M. R. Jenkin, R. S. Allison

May 2003 **Proceedings of the workshop on Virtual environments 2003**

Full text available: pdf(2.22 MB) Additional Information: full citation, abstract, references, index terms

Six-sided fully immersive projective displays present complex and novel problems for tracking systems. Existing tracking technologies typically require tracking equipment that is placed in locations or attached to the user in a way that is suitable for typical displays of five or less walls but which would interfere with the immersive experience within a fully enclosed display. This paper presents a novel vision-based tracking technology for fully-immersive projective displays. The technology re ...

Keywords: lasers, optical, tracking, virtual reality

7 A free-head, simple calibration, gaze tracking system that enables gaze-based interaction

Takehiko Ohno, Naoki Mukawa

March 2004 **Proceedings of the Eye tracking research & applications symposium on Eye tracking research & applications**

Full text available: pdf(949.43 KB) Additional Information: full citation, abstract, references, index terms

Human eye gaze is a strong candidate to create a new application area based on human-computer interaction. To implement a really practical gaze-based interaction system, gaze detection must be realized without placing any restriction on the user's behavior or comfort. This paper describes a gaze tracking system that offers freehead, simple personal calibration. It does not require the user wear anything on her head, and she can move her head freely. Personal calibration takes only a very short t ...

Keywords: corneal reflection method, free-head gaze detection, gaze tracking system, geometric eyeball model, human-computer interaction, personal calibration

8 Constellation: a wide-range wireless motion-tracking system for augmented reality and virtual set applications

Eric Foxlin, Michael Harrington, George Pfeifer

July 1998 **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(388.67 KB) Additional Information: full citation, references, citings, index terms

Keywords: accuracy, augmented reality, inertial ultrasonic, kalman filtering, latency, motion tracking, sensor fusion, virtual sets

9 Systems & applications II: FreeGaze: a gaze tracking system for everyday gaze interaction

Takehiko Ohno, Naoki Mukawa, Atsushi Yoshikawa

March 2002 **Proceedings of the symposium on Eye tracking research & applications**

Full text available: pdf(679.36 KB) Additional Information: full citation, abstract, references, citings, index terms

In this paper we introduce a novel gaze tracking system called *FreeGaze,* which is designed for the use of everyday gaze interaction. Among various possible applications of gaze tracking system, Human-Computer Interaction (HCI) is one of the most promising elds. However, existing systems require complicated and burden-some calibration and are not robust to the measurement variations. To solve these problems, we introduce a geometric eyeball model and sophisticated image processing. Unlike ...

Keywords: FreeGaze, Gaze tracing system, gaze interaction, the eyeball model

10 Interactive posters: gaze interaction: Just blink your eyes: a head-free gaze tracking system

Takehiko Ohno, Naoki Mukawa, Shinjiro Kawato

April 2003 **CHI '03 extended abstracts on Human factors in computing systems**

Full text available: pdf(351.31 KB) Additional Information: full citation, abstract, references, citings, index terms

We propose a head-free, easy-setup gaze tracking system designed for a gaze-based

Human-Computer Interaction. Our system enables the user to interact with the computer soon after catching the user's eye blinks. The user can move his/her head freely since the system keeps tracking the user's eye. In addition, our system only needs a 10 second calibration procedure at the very first time of use. An eye tracking method based on our unique eye blink detection and a sophisticated gaze estimation meth ...

Keywords: eye blink detection, eye tracking, eyeball model, eyeball movement, gaze tracking

11 Eye tracking system model with easy calibration

Arantxa Villanueva, Rafael Cabeza, Sonia Porta

March 2004 **Proceedings of the Eye tracking research & applications symposium on Eye tracking research & applications**

Full text available: pdf(38.64 KB) Additional Information: full citation, abstract, index terms

Calibration is one of the most tedious and often annoying aspects of many eye tracking systems. It normally consists in looking at several marks on a screen in order to collect enough data to modify the parameters of an adjustable model. Unfortunately this step is unavoidable if a competent tracking system is desired. Many efforts have been made to achieve more competent and improved eye tracking systems. Maybe the search for an accurate mathematical model is one of the least researched fields. ...

12 The Lighthouse: a lightweight call tracking system for adapting to changing technology needs

Kathryn F. Gates, Krista H. Vernon, James F. Ball, Carl E. Raffa

September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

Full text available: pdf(566.09 KB) Additional Information: full citation, references, index terms

13 Short talks: input by hand, eye, and brain: Vision-based face tracking system for window interface: prototype application and empirical studies

Kotaro Kitajima, Yoichi Sato, Hideki Koike

March 2001 **CHI '01 extended abstracts on Human factors in computing systems**

Full text available: pdf(258.51 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we study the effective use of gaze information for human-computer interaction based on a stereo-based vision system which can track the 3D position and orientation of a user in real-time. We have integrated our face-tracking system into the X Window interface system, and conducted experiments to evaluate the effectiveness of our proposed framework for using gaze information for window interfaces.

Keywords: computer vision, gaze inputs, human-computer interaction, real-time face tracking

14 Short talks: multimodal interaction: Trials and tribulations of using an eye-tracking system

Susan K. Schnipke, Marc W. Todd

April 2000 **CHI '00 extended abstracts on Human factors in computing systems**

Full text available: pdf(223.49 KB) Additional Information: full citation, abstract, references

This paper's focus is on the challenges associated with collecting eye-tracking data. Despite operator training conducted by the manufacturer, one year of experience with eye-tracking

and extensive calibration, the data collection success rate in the current investigation was very low; only six out of sixteen participants (37.5%) were successfully eye-tracked. We discuss possible explanations for this low success rate, and why we do not currently believe that eye-tracking is ready to be employed ...

Keywords: eye-tracking, usability, user testing

15 Using learning management systems to teach paperless courses: best practices for creating accreditation review record archives

Tom Wulf

October 2004 **Journal of Computing Sciences in Colleges**, Volume 20 Issue 1

Full text available: pdf(178.21 KB) Additional Information: full citation, abstract, references

Modern learning management systems like Blackboard, WebCT, and others offer a wide range of capabilities that enable an instructor to deliver a course in a completely paperless manner. These methods are useful for hybrid face to face course delivery as well as distance learning. This not only simplifies the day to day overhead of course record keeping but also results in a complete digital archive of course materials that can then be used for accreditation purposes. This paper discusses several ...

16 Education and training: A multilevel learning management system

Genoveffa Tortora, Monica Sebillo, Giuliana Vitiello, Pietro D'Ambrosio

July 2002 **Proceedings of the 14th international conference on Software engineering and knowledge engineering**

Full text available: pdf(846.91 KB) Additional Information: full citation, abstract, references, index terms

Many authoring systems have been realized so far in order to allow users to build advanced presentation of documents. These systems represent the result of a requirement analysis performed in specific application domains and their functionality is meaningful for the domain experts. Consequently, in many cases there exists a barrier between system functionality and users, who have a limited knowledge of the domain: in order to use the application, the content expert end-user has to interact with ...

Keywords: advanced visual interfaces, authoring environments, learning management systems, multimedia content

17 Education/distance learning: Paving the way towards an efficient Learning Management System

Ravi Darbhamulla, Pamela Lawhead

April 2004 **Proceedings of the 42nd annual Southeast regional conference**

Full text available: pdf(333.09 KB) Additional Information: full citation, abstract, references, index terms

The emergence of networked computers has brought to the forefront the use of web-based education, which defies boundaries. The pivotal advantage associated with web based learning is the classroom and platform independence it provides. Current web-based systems are found to be a collection of static pages accessorized with few videos. The learning associated with these web based systems is static and serial, making the whole process uninteresting and incomplete. The need for the hour is a Learni ...

Keywords: LMS, Student Status Monitoring (SSM), design issues, expert, learner-centered

18 Magic Touch: A Simple Object Location Tracking System Enabling the Development of Physical-Virtual Artefacts in Office Environments

Thomas Pederson
January 2001 **Personal and Ubiquitous Computing**, Volume 5 Issue 1

Full text available: pdf(96.18 KB) Additional Information: full citation, abstract, index terms

A novel method for tracking physical activities is presented. The method is based on the assumption that all changes to the physical environment are done by users themselves, and that these actions can be tracked using wearable computer technology placed on human hands. Various limitations of the proposed method are discussed. Acknowledging these limitations, a range of possible applications are presented, e.g. a set of Physical-Virtual Artefacts intended to decrease the gap between the physical ...

19 A beat tracking system for acoustic signals of music

M. Goto, Y. Muraoka
October 1994 **Proceedings of the second ACM international conference on Multimedia**

Full text available: pdf(737.19 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents a beat tracking system that processes acoustic signals of music and recognizes temporal positions of beats in time. Musical beat tracking is needed by various multimedia applications such as video editing, audio editing, and stage lighting control. Previous systems were not able to deal with acoustic signals that contained sounds of various instruments, especially drums. They dealt with either MIDI signals or acoustic signals played on a few instruments, and in the latte ...

20 Unsupervised and supervised clustering for topic tracking

Martin Franz, Todd Ward, J. Scott McCarley, Wei-Jing Zhu
September 2001 **Proceedings of the 24th annual international ACM SIGIR conference on Research and development in information retrieval**

Full text available: pdf(302.02 KB) Additional Information: full citation, abstract, references, index terms

We investigate important differences between two styles of document clustering in the context of Topic Detection and Tracking. Converting a Topic Detection system into a Topic Tracking system exposes fundamental differences between these two tasks that are important to consider in both the design and the evaluation of TDT systems. We also identify features that can be used in systems for both tasks.

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21 Filtering: Improving realism of topic tracking evaluation

Anton Leuski, James Allan

August 2002 **Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval**

Full text available: pdf(265.85 KB) Additional Information: full citation, abstract, references, index terms

Topic tracking and information filtering are models of interactive tasks, but their evaluations are generally done in a way that does not reflect likely usage. The models either force frequent judgments or disallow any at all, assume the user is always available to make a judgment, and do not allow for user fatigue. In this study we extend the evaluation framework for topic tracking to incorporate those more realistic issues. We demonstrate that tracking can be done in a realistic interactive se ...

Keywords: filtering, interactive tracking, topic detection and tracking

22 Demonstration session 2: A multimodal speaker detection and tracking system for teleconferencing

Billibon H. Yoshimi, Gopal S. Pingali

December 2002 **Proceedings of the tenth ACM international conference on Multimedia**

Full text available: pdf(297.24 KB) Additional Information: full citation, abstract, references, citings, index terms

A serious problem in both audio and video conferencing facilities available today is the difficulty in determining who is speaking among a large number of participants. There is a strong need for developing meeting room infrastructure and teleconference facilities that improve the sense of presence and participation experienced in remote meetings. We present a distributed multimodal tracking system that uses multiple cameras and microphones to automatically select the current speaker among multi ...

Keywords: IP, audio, collaboration, face, localization, telepresence, video

23 How to survive when demand exceeds supply: implementing a problem tracking system

Tom Murray, Liz Brigman

November 1995 **Proceedings of the 23rd annual ACM SIGUCCS conference on User services: winning the networking game**

Full text available: pdf(374.06 KB) Additional Information: full citation, references, index terms

24 SCAAT: incremental tracking with incomplete information
Greg Welch, Gary Bishop
August 1997 **Proceedings of the 24th annual conference on Computer graphics and interactive techniques**
Full text available: pdf(104.69 KB) Additional Information: full citation, references, citings, index terms

Keywords: Kalman filter, autocalibration, calibration, delay, feature tracking, latency, sensor fusion, virtual environments tracking

25 Improved help line/service tracking—using a TQM approach
Susan P. Polyson, James B. Yucha
November 1993 **Proceedings of the 21st annual ACM SIGUCCS conference on User services**
Full text available: pdf(503.32 KB) Additional Information: full citation, index terms

26 Eye-movement-contingent release of speech and "SEE"- multi-modalities eye tracking system (poster session)
Weimin Liu
November 2000 **Proceedings of the symposium on Eye tracking research & applications**
Full text available: pdf(134.02 KB) Additional Information: full citation, abstract, index terms

A novel research method, the eye-movement-contingent release of speech method, was developed to examine the use and nature of the sound code in visual word recognition in reading. A new multi-modalities eye tracking system ("SEE") was developed to implement the eye-movement-contingent release of speech method. The SEE system provides the experimenter synchronized orthogonal manipulations of visual and auditory signals, accurate measurement of oculomotor responses, post-hoc data re ...

27 A Requirements to Test Tracking System (RTTS)
Edward R. Rang, Karen H. Thelen
October 1985 **Proceedings of the 1985 ACM annual conference on The range of computing : mid-80's perspective: mid-80's perspective**
Full text available: pdf(377.31 KB) Additional Information: full citation, references, index terms

28 Selection criterion and implementation of a trouble tracking system: what's in a paradigm?
Dan Bloom
October 1994 **Proceedings of the 22nd annual ACM SIGUCCS conference on User services**
Full text available: pdf(275.96 KB) Additional Information: full citation, references, index terms

29 Gaze: EyePrint: support of document browsing with eye gaze trace
Takehiko Ohno

October 2004 **Proceedings of the 6th international conference on Multimodal interfaces**

Full text available: pdf(534.23 KB) Additional Information: full citation, abstract, references, index terms

Current digital documents provide few traces to help user browsing. This makes document browsing difficult, and we sometimes feel it is hard to keep track of all of the information. To overcome this problem, this paper proposes a method of creating traces on digital documents. The method, called EyePrint, generates a trace from the user's eye gaze in order to support the browsing of digital document. Traces are presented as highlighted areas on a document, which become visual cues for accessi ...

Keywords: document browsing, eyePrint, gaze-based interaction, information retrieval, readwear, reusability problem

30 Location based applications for mobile augmented reality

Gerhard Reitmayr, Dieter Schmalstieg

February 2003 **Proceedings of the Fourth Australian user interface conference on User interfaces 2003 - Volume 18**

Full text available: pdf(1.55 MB) Additional Information: full citation, abstract, references, index terms

In this work we investigate building indoor location based applications for a mobile augmented reality system. We believe that augmented reality is a natural interface to visualize spacial information such as position or direction of locations and objects for location based applications that process and present information based on the user's position in the real world. To enable such applications we construct an indoor tracking system that covers a substantial part of a building. It is based on ...

Keywords: augmented reality, location based computing, mobile computing, tracking, wearable computing

31 Network traffic tracking systems: folly in the large?

Thomas E. Daniels, Eugene H. Spafford

February 2001 **Proceedings of the 2000 workshop on New security paradigms**

Full text available: pdf(517.86 KB) Additional Information: full citation, references, citings, index terms

32 'Where have all the trainers gone?' E-learning strategies and tools in the corporate training environment

Rabelani Dagada, Maria Jakovljevic

October 2004 **Proceedings of the 2004 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries**

Full text available: pdf(65.09 KB) Additional Information: full citation, abstract, references, index terms

Online learning (also known as e-learning) will ultimately become the new training paradigm, taking its place alongside traditional contact situation training and changing the face of training generally. A number of trends, which include technological developments and the growth of the Internet, have accelerated the move to e-learning in educational institutions and the corporate world. Technology and the Internet facilitate a more active role in the training process. There is a gap in the li ...

Keywords: corporate training environment, management, measurement, online learning, online learning strategies, online tools

33 Advancements in 3D interactive devices for virtual environments

D. Wormell, E. Foxlin

May 2003 **Proceedings of the workshop on Virtual environments 2003**

Full text available: pdf(24.13 MB) Additional Information: full citation, abstract, references, index terms

New commercially available interactive 3D tracking devices and systems for use in virtual environments are discussed. InterSense originally introduced the IS-900 scalable-area hybrid tracking system for virtual environments in 1999. In response to customer requests, we have almost completely revamped the system over the past two years. The major changes include a drastic 3-fold reduction in the size and weight of the wearable sensor devices, introduction of wireless tracking capability, a standa ...

Keywords: I^2C Bus, inertial tracking, motion tracking, tracking in virtual environments, wireless tracking

34 Using the university databases in help desk operations

Linda Adams DeBula

October 1998 **Proceedings of the 26th annual ACM SIGUCCS conference on User services**

Full text available: pdf(354.12 KB) Additional Information: full citation, index terms

35 Adaptive e-learning systems: Model based engineering of learning situations for adaptive web based educational systems

Thierry Nodenot, Christophe Marquesuzaá, Pierre Laforcade, Christian Sallaberry

May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters**

Full text available: pdf(460.57 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we propose an approach for the engineering of web based educational applications. The applications that we focus require advanced functionality for regulating and tutoring learners' activities (dynamics of learning). Our approach aims at proposing models, not only to describe details of such learning situations, but also to characterize the constraints that the Learning Management System exploiting such situations must satisfy in this sense, this approach also contributes to the s ...

Keywords: UML language, architectures and designs for web-based learning delivery environments, models and metamodels, specification of educational applications

36 An immersive, multi-user, musical stage environment

Matthew Reynolds, Bernd Schoner, Joey Richards, Kelly Dobson, Neil Gershenfeld

August 2001 **Proceedings of the 28th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(1.29 MB) Additional Information: full citation, abstract, references, index terms

A multi-user, polyphonic sensor stage environment that maps position and gestures of up to four performers to the pitch and articulation of distinct notes is presented. The design seeks to provide multiple players on a stage with the feeling of a traditional acoustic instrument by giving them complete control over the instrument's expressive parameters and a clear causal connection between their actions and the resulting sound. The positions of the performers are determined by a custom ultras ...

Keywords: HCI, applications, object tracking, spatialized sound, user interface design

37 Ancillary effects of simulation
Matt Hickie, John W. Fowler
December 1999 **Proceedings of the 31st conference on Winter simulation: Simulation---a bridge to the future - Volume 1**
Full text available: pdf(76.52 KB) Additional Information: full citation, references, index terms

38 Autocalibration for virtual environments tracking hardware
Stefan Gottschalk, John F. Hughes
September 1993 **Proceedings of the 20th annual conference on Computer graphics and interactive techniques**
Full text available: pdf(235.54 KB) Additional Information: full citation, references, citings, index terms

Keywords: autocalibration, tracking, virtual environments

39 First Person Indoor/Outdoor Augmented Reality Application: ARQuake
Bruce Thomas, Ben Close, John Donoghue, John Squires, Phillip De Bondi, Wayne Piekarski
January 2002 **Personal and Ubiquitous Computing**, Volume 6 Issue 1
Full text available: pdf(363.52 KB) Additional Information: full citation, abstract, index terms

This paper presents a first person outdoor/indoor augmented reality application ARQuake that we have developed. ARQuake is an extension of the desktop game Quake, and as such we are investigating how to convert a desktop first person application into an outdoor/indoor mobile augmented reality application. We present an architecture for a low cost, moderately accurate six degrees of freedom tracking system based on GPS, digital compass, and fiducial vision-based tracking. Usability issues such as ...

40 Transition to object-oriented software development
Mohamed E. Fayad, Wei-Tek Tsai, Milton L. Fulghum
February 1996 **Communications of the ACM**, Volume 39 Issue 2
Full text available: pdf(451.14 KB) Additional Information: full citation, references, citings, index terms

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